

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**BUFF-FREE LIQUID CRYSTAL ALIGNMENT  
USING POLY(IONOMER) COATINGS**

the specification of which:

- ☒ is attached hereto.  
☐ was filed on \_\_\_\_\_  
as U.S. Serial No. \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

<u>PCT/US98/01195</u> (Number)	<u>United States</u> (Country)	<u>21 January 1998</u> (Day/Month/Year Filed)
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

60/034,966  
(Application Number)

21 January 1997  
(Filing Date)

60/050,765  
(Application Number)

25 June 1997  
(Filing Date)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Serial No.)

(Filing Date)

(Status)

I hereby appoint the following attorneys to prosecute this application and to transact all business in the U.S. Patent Office connected therewith:

30  
Steven M. Auvil, Reg. No. 40,492  
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

00 Rolfe G. Petschek

Full Name of First Inventor

*Rolfe G. Petschek*

Inventor's Signature

Jan 7 1999

Date

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Full Name of Second Inventor

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Full Name of Third Inventor

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Inventor's Signature

Jan. 7, 1999

Date

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Rolfe G. Petschek et al.  
Serial No. : Unknown  
Filed : Herewith  
Title : BUFF-FREE LIQUID CRYSTAL  
ALIGNMENT USING POLY(IONOMER)  
COATINGS  
Attorney Docket : CWR 2 242

Assistant Commissioner For Patents  
Washington, D.C. 20231

37 C.F.R. 1.27 VERIFIED STATEMENT CLAIMING  
SMALL ENTITY STATUS-NONPROFIT ORGANIZATION

Dear Sir:

I, Richard A. Zdanis, hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

Case Western Reserve University  
10900 Euclid Avenue  
Cleveland, Ohio 44106 U.S.A.

**TYPE OF ORGANIZATION**

- (X) UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION
- ( ) TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3))
- ( ) NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA
- (Name of State: \_\_\_\_\_)  
(Citation of Statute: \_\_\_\_\_)
- ( ) WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501(a) and 501(c)(3)) IF LOCATED IN THE UNITED STATES OF AMERICA

- ( ) WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR  
EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED  
STATES OF AMERICA IF LOCATED IN THE UNITED STATES  
OF AMERICA

(Name of State: \_\_\_\_\_)  
(Citation of Statute: \_\_\_\_\_)

I hereby declare that the nonprofit organization identified  
above qualifies as a nonprofit organization as defined in 37 CFR  
1.9(e) for purposes of paying reduced fees under Section 41(a)  
and (b) of Title 35, United States Code with regard to the  
invention entitled: BUFF-FREE LIQUID CRYSTAL ALIGNMENT USING  
POLY(IONOMER) COATINGS, by Rolfe G. Petschek et al. described in:

- (X) the specification filed herewith  
( ) Application Serial No. \_\_\_\_\_  
filed on \_\_\_\_\_  
( ) Patent No. \_\_\_\_\_  
issued on \_\_\_\_\_

I hereby declare that rights under contract or law have been  
conveyed to and remain with the nonprofit organization with  
regard to the above identified invention.

If the rights held by the nonprofit organization are not  
exclusive, each individual, concern or organization having rights  
to the invention is listed below \* and no rights to the invention  
are held by any person, other than the inventor, who could not  
qualify as a small business concern under 37 CFR 1.9(d) or a  
nonprofit organization under 37 CFR 1.9(e).

\* Separate verified statements are required from each named  
person, concern or organization having rights to the invention  
averring to their status as small entities. (37 CFR 1.27)

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_

( ) Individual ( ) Small Business Concern ( ) Non-Profit Organization

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_

( ) Individual ( ) Small Business Concern ( ) Non-Profit Organization

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_

( ) Individual ( ) Small Business Concern ( ) Non-Profit Organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at any time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name of Person Signing	<u>Richard A. Zdanis</u>
Title in Organization	<u>Provost and University Vice President</u>
Address of Person Signing	<u>10900 Euclid Avenue</u>
	<u>Cleveland, Ohio 44106</u>
<u>12/30/98</u>	<u><i>Richard A. Zdanis</i></u>
Date	Signature